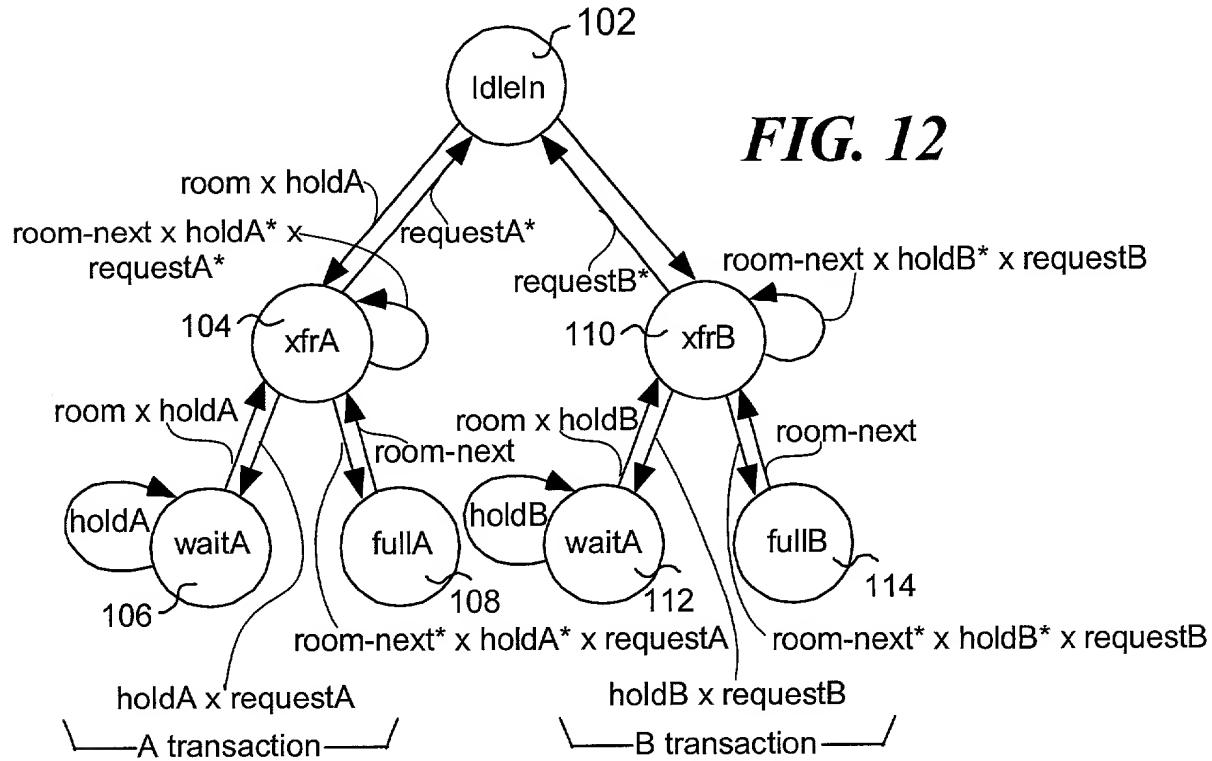
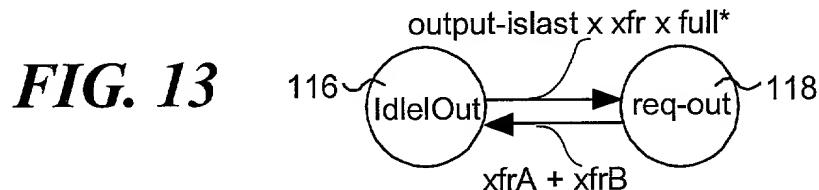


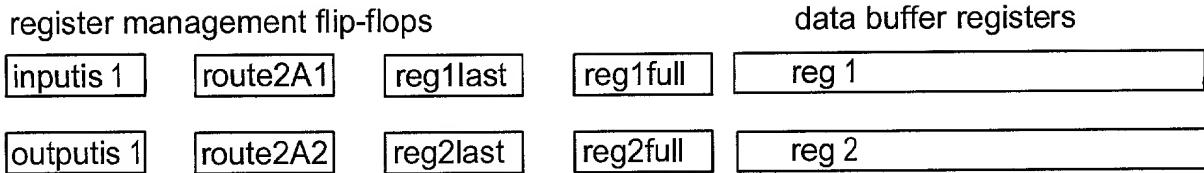


**FIG. 11**

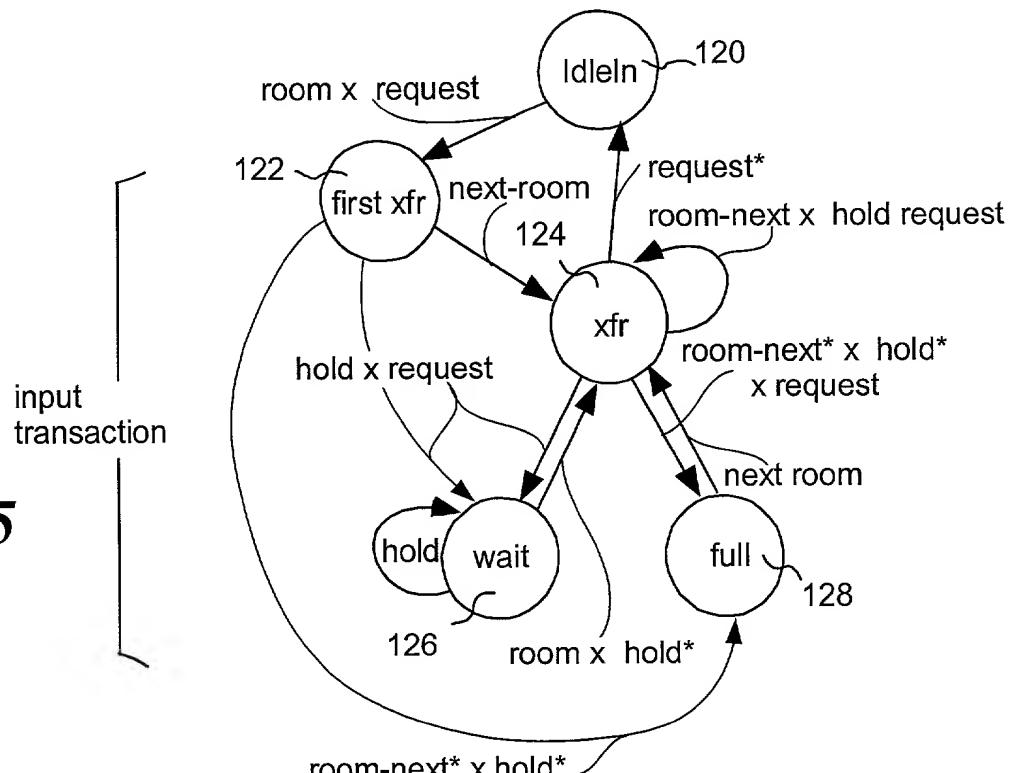


$\text{transaction} = \text{IdleIn}^*$   
 $\text{room-next} = \text{empty} + \text{xfr}$   
 $\text{room} = \text{reg1full}^* + \text{reg2full} + \text{xfr}$   
 $\text{full} = \text{reg1full} \times \text{reg2full}$   
 $\text{empty} = \text{reg1full}^* \times \text{reg2full}^*$



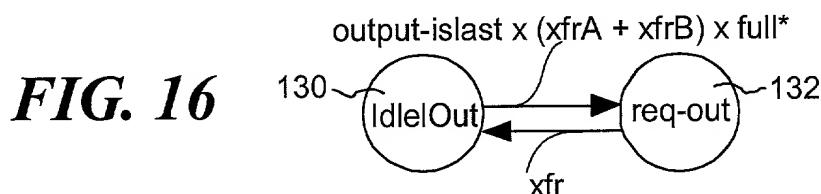


**FIG. 14**

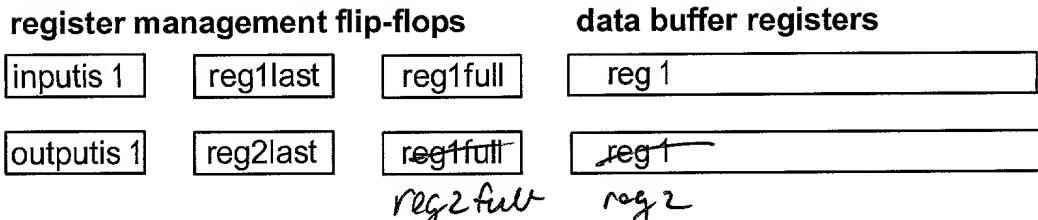


**FIG. 15**

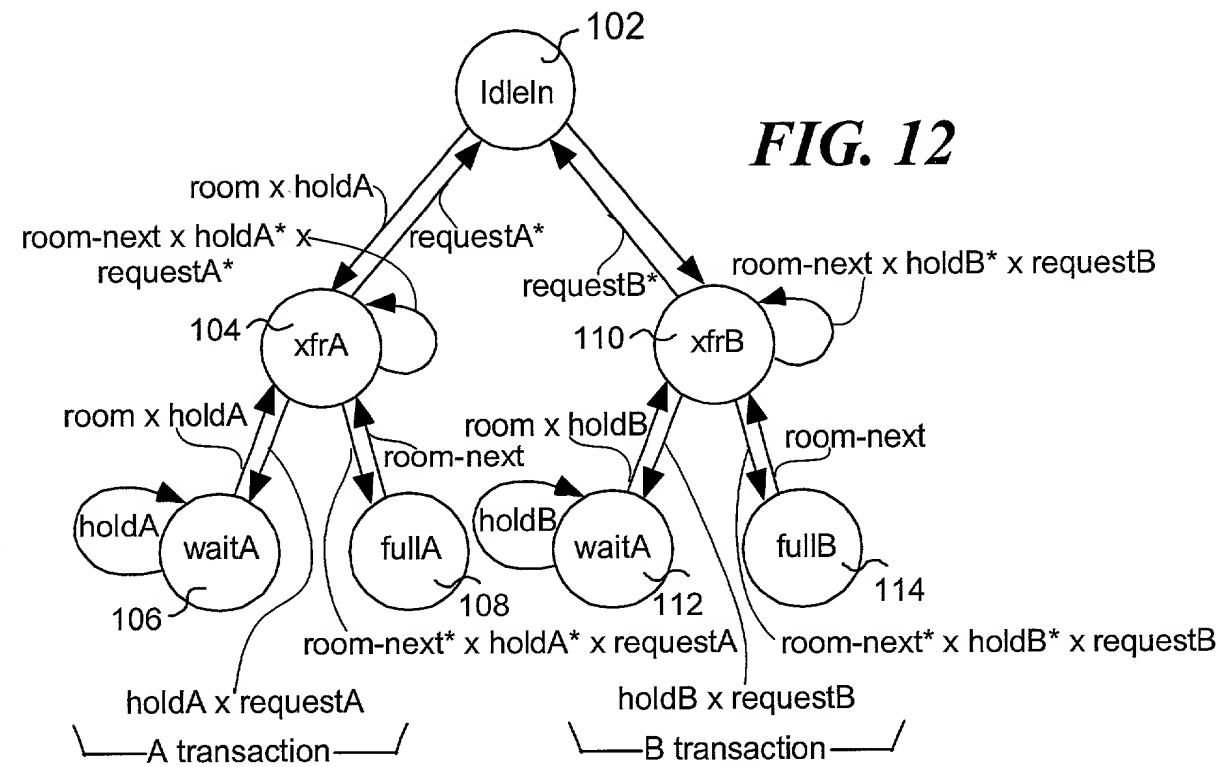
$\text{transaction} = \text{IdleIn}^*$   
 $\text{room-next} = \text{empty} + \text{xfrA} + \text{xfrB}$   
 $\text{room} = \text{reg1full}^* + \text{reg2full}^* + \text{xfrA} + \text{xfrB}$   
 $\text{full} = \text{reg1full} \times \text{reg2full}$   
 $\text{empty} = \text{reg1full}^* \times \text{reg2full}^*$



**FIG. 16**

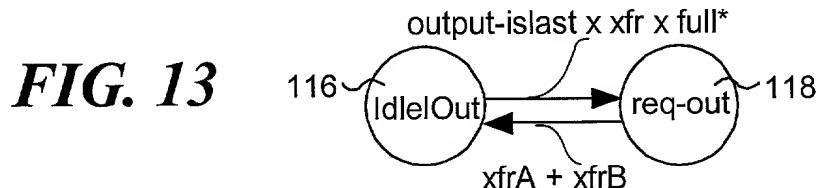


**FIG. 11**

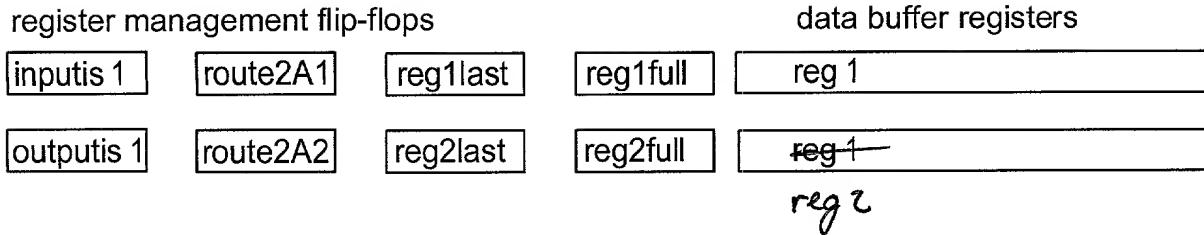


**FIG. 12**

$\text{transaction} = \text{IdleIn}^*$   
 $\text{room-next} = \text{empty} + \text{xfr}$   
 $\text{room} = \text{reg1full}^* + \text{reg2full} + \text{xfr}$   
 $\text{full} = \text{reg1full} \times \text{reg2full}$   
 $\text{empty} = \text{reg1full}^* \times \text{reg2full}^*$



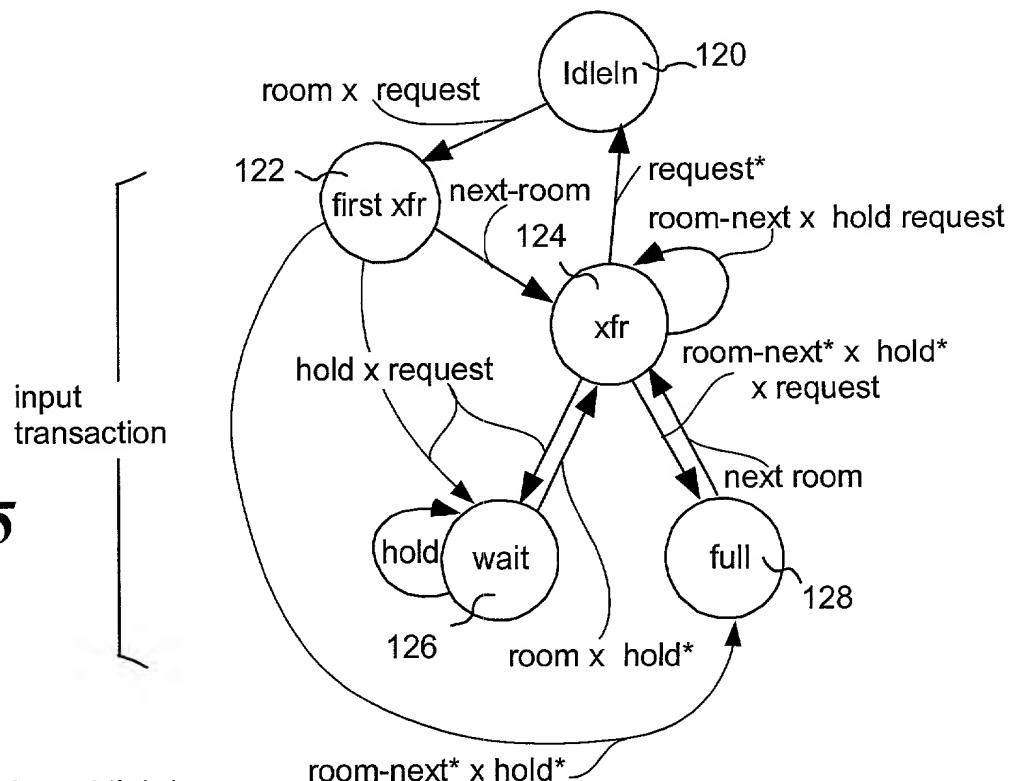
**FIG. 13**



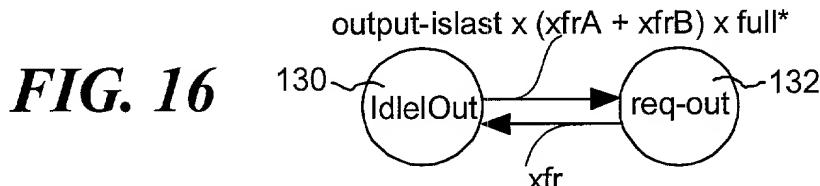
**FIG. 14**

transaction = IdleIn + room-x-request + first-xfr + hold-x-request + wait + full + room-next\* + room-x-hold\* + room-next\* + hold\*

**FIG. 15**



$\text{transaction} = \text{IdleIn}^*$   
 $\text{room-next} = \text{empty} + \text{xfrA} + \text{xfrB}$   
 $\text{room} = \text{reg1full}^* + \text{reg2full}^* + \text{xfrA} + \text{xfrB}$   
 $\text{full} = \text{reg1full} \times \text{reg2full}$   
 $\text{empty} = \text{reg1full}^* \times \text{reg2full}^*$



**FIG. 16**